



**State of New Jersey**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**DIVISION OF HAZARDOUS WASTE MANAGEMENT**

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**M E M O R A N D U M**

**TO:** Albert Pleva, Acting Section Chief  
Bureau of Planning and Assessment *AP*

**THROUGH:** Neil Jiorle, Acting Section Chief  
Bureau of Planning and Assessment *NJ*

**FROM:** Robert Beretsky, HSMS IV *RB*  
Bureau of Planning and Assessment

**SUBJECT:** SAMPLING EPISODE AT THE WANAQUE LANDFILL  
WANAQUE, PASSAIC COUNTY

**PURPOSE OF MEMO:**

To outline sampling activities conducted by Bureau of Planning and Assessment and Water Resources personnel.

**NJDEP REPRESENTATIVES:**

Richard Gervasio, Supervisory Environmental Technician  
Lisa Tracy, Environmental Specialist  
Debra Mazur, HSMS III  
Donna Gaffigan, HSMS IV  
Christine Holstrom, HSMS IV  
Norman Davis, HSMS IV  
Robert Beretsky, HSMS IV

**DATE OF SAMPLING:** August 5, 1987

**COMMENTS:**

In order to comply with the site inspection requirements of the EPA CERCLA process, 7 on site wells and 4 private wells were scheduled to be sampled on August 5, 1987. All samples were to be analyzed for priority pollutants plus 40. A trip blank to be analyzed for volatile organic chemicals and a field blank to be analyzed for priority pollutants plus forty were provided by NANCO Labs of Wappingers Falls, New York. All samples were shipped to NANCO via Federal Express. It should be noted that due to failure of the generator, the submersible pump to be used to evacuate wells 3,4 and 5 could not be used and therefore these wells were not sampled.



SAMPLING EPISODE:

Weather; cloudy in the morning with a steady rain falling most of the afternoon. Air temperature was approximately 70°F.

- 0820: Richard Gervasio, Deborah Mazur, Donna Gaffigan, Christine Holstrom, Norman Davis and Robert Beretsky arrive at the site.
- 0830: Deborah Mazur, Donna Gaffigan, Christine Holstrom and Robert Beretsky proceed to Haque residence to sample background well. Shuttle seal # 100517 broken by Richard Gervasio. Samples in this shuttle included BSA 0805743 (field blank) and BSA 0805744 (trip blank).
- 0830-0840: Richard Gervasio and Norman Davis prepare field blank (BSA 0805743).
- 0835: Shuttle Seal # 100519 broken by Donna Gaffigan. Samples in this shuttle include BSA 0805738 (monitor well 8), BSA 0805739 (Haque residence well) and BSA 0805740 (Robert Rapp upper well)
- 0839: Spigot to Haque residence well turned on.
- 0900-0905: Sample BSA 080573 taken from Haque residence spigot by Donna Gaffigan and Robert Beretsky. Water described as cold and clear. Photograph (#9) taken of spigot.
- 0915: Arrive at Kearfott Lake Club. Shuttle Seal # 100525 broken by Donna Gaffigan. This shuttle includes samples BSA 0805741 (Robert Rapp lower well - Zak well) and BSA 0805742 (Kearfott Lake Club well). It was noted that water from the Kearfott Lake Club well flows from a PVC pipe into the lake approximately 30 feet off shore. The water was running upon our arrival.
- 0940: Deborah Mazur and Donna Gaffigan depart to obtain samples from the two Robert Rapp wells.
- 0945: Chris Holstrom and Robert Beretsky attempt to sample Kearfott Lake Club well from boat, but the water flow from the well is too fast to obtain a representative volatile organic sample. Chris Holstrom and Robert Beretsky await arrival of Earl Ludwig of the Lake Club to slow flow from well.
- 0950: Norman Davis and Richard Gervasio begin purging monitor well #2 with centrifugal pump.
- 0955-1000: Sample (BSA 0805741) taken from Robert Rapp lower well-Zak well, by Deborah Mazur and Donna Gaffigan. Water was running from the spigot for twenty minutes prior to sample being drawn. Water is described as cold and clear. Sample is taken from spigot in garage bathroom sink. Exhaust fumes noted in bathroom. Photograph (#11) taken.

- 1007-1015: Deborah Mazur and Donna Gaffigan take sample (BSA 0805740) from the Robert Rapp upper well. Water runs from well through a plastic hose to the bathroom. Water described as cold and clear. Photograph (#12) taken.
- 1010: Mr. Ludwig attempts to slow flow from well at Lake Club.
- 1020-1025: Sample (BSA 0805742) from Lake Club well taken by Chris Holstrom and Robert Beretsky from a boat. Water described as cold and clear. End of PVC pipe is coated with iron oxide from water. Photographs (#10 and 13) taken of PVC pipe in lake.
- 1110: Sixty one gallons purged from monitor well 2. Shuttle Seal # 10052 broken by Richard Gervasio. This shuttle contains sample BSA 0805732 (monitor well 1) and BSA 0805733 (monitor well 2).
- 1110-1125: Norm Davis and Robert Beretsky begin purging monitor well 1 with centrifugal pump. Deborah Mazur and Donna Gaffigan begin purging monitor well 8 by hand bailing. Chris Holstrom and Lisa Tracy begin purging monitor well 7 by hand bailing.
- 1200: Twenty one gallons purged from monitor well 8.
- 1200-1210: Deborah Mazur and Donna Gaffigan obtain sample (BSA 0805738) from well 8. Photograph (#1 of new roll) taken of well. Water is described as cloudy.
- 1215: Seven gallons pumped from monitor well 7. Shuttle Seal # 100523 broken by Chris Holstrom. Sample BSA 0805737 is included in this shuttle.
- 1220-1240: Lisa Tracy and Chris Holstrom obtain sample (BSA 0805737) from monitor well 7. Water described as cloudy. Photograph (#15) taken of well.
- 1245-1315: Depths of wells 3,4 and 5 determined by Richard Gervasio, Norman Davis and Robert Beretsky.
- 1300: Monitor well 1 purged to dryness.
- 1330-1342: Deborah Mazur and Norm Davis obtain sample (BSA 0805732) from monitor well 1. Water described as slightly cloudy. Photograph (#2 on new roll) taken of well.
- 1345-1500: Richard Gervasio and Robert Beretsky attempt to pump monitor well 5 with centrifugal pump however the well is too deep. Generator still inoperable. Paperwork completed by Richard Gervasio, Deborah Mazur, Donna Gaffigan and Chris Holstrom.

1500: All shuttles resealed. DEP personnel depart from site.

1800: Shuttles transferred to Federal Express by Richard Gervasio.

CONCLUSIONS:

All samples were taken in accordance with methodologies outlined in the NJDEP/DWM Sampling Procedures Manual.

RECOMMENDATIONS:

Recommendations will be based upon review of the analysis results. Wells 3,4 and 5 should be sampled and analyzed for priority pollutants plus 40 if the results of the 8/5/87 samples reveal the presence of contaminants in any of the down gradient wells.

<u>SAMPLE #</u>	<u>SHUTTLE SEAL #</u>	<u>SHUTTLE RESEAL #</u>	<u>LOCATION</u>	<u>ANALYSIS</u>	<u>COST</u>
BSA 0805732	100521	100522	MW 1	pp + 40	\$1425
BSA 0805733	100521	100522	MW 2	pp + 40	\$1425
BSA 0805737	100523	100524	MW 7	pp + 40	\$1425
BSA 0805738	100519	100520	MW 8	pp + 40	\$1425
BSA 0805739	100519	100520	Haque residence	pp + 40	\$1425
BSA 0805740	100519	100520	R.Rapp (Zak) upper well	pp + 40	\$1425
BSA 0805741	100525	100526	R.Rapp lower well	pp + 40	\$1425
BSA 0805742	100525	100526	Kearfott Lake Club	pp + 40	\$1425
BSA 0805743	100517	100518	Field Blank	pp + 40	\$1425
BSA 080744	100517	100518	Trip Blank	VO's	\$ 285

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